



GET FOCUSED

Congratulation on your purchase of a Cornerstone™ high-performance, high-resolution, large-screen monitor. The best monitor in the industry.



Cornerstone
GET FOCUSED. GET CORNERSTONE.

www.BigMonitors.com

**READ THE INSTRUCTIONS INSIDE CAREFULLY.
KEEP THIS USER MANUAL FOR FUTURE REFERENCE.**

For future reference, record the serial number of your color monitor.

SERIAL No. _____

The serial number is located on the rear of the monitor.

This monitor is ENERGY STAR® compliant when used with a computer equipped with VESA DPMS.

The ENERGY STAR® emblem does not represent EPA endorsement of any product or service.

As an ENERGY STAR® Partner, Cornerstone has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



CONTENTS

FEATURES	3
COLOR ADJUSTMENT	4
INSTALLATION	20
STANDARD SETTINGS.....	22
OPERATION.....	23
POWER SAVING SYSTEM.....	26
PLUG & PLAY	26
SPECIFICATIONS	27
WARRANTY	28
CUSTOMER SUPPORT	29

FEATURES

The following features are provided by the Color Monitor.

Sharpest Focus and Highest Contrast

Flat screen Enhanced Dot Pitch (EDP) CRT with FS double focus and AR-ASC coating gives the sharpest focus and highest contrast to minimize eye fatigue.

Wide-range Multi-Scanning

Automatic scanning and automatic adjustment to conform with a wide range of scanning frequencies and user requirements.

Digital Picture Control Function

Position, size, pincushion, trapezoid, parallelogram, pin balance and rotation are adjustable by digital controls.

Geometry setting can be stored for different H/V frequencies.

Microprocessor-based preset functions can store 25 sets of geometry settings including the standard factory settings.

Digital Color Control Function

Red, green, and blue color balance is adjustable by digital control.

An adjusted color setting can be stored and recalled by the color select button.

Power Saving System

The Environmental Protection Agency (EPA) has established a voluntary program by which manufacturers enable computer products to go into low power states while not being used. This monitor has a low power "sleep" mode, which is compliant with the EPA requirements for the ENERGY STAR® program, and will assist you in conserving energy.

Please refer to the section of "POWER SAVING SYSTEM" for details.

On Screen Display

An On Screen Display function that allows direct access to adjust all operations from the front panel.

PLUG & PLAY

This monitor is VESA DDC1/2B compliant when used with a computer compliant with VESA DDC (Display Data Channel).

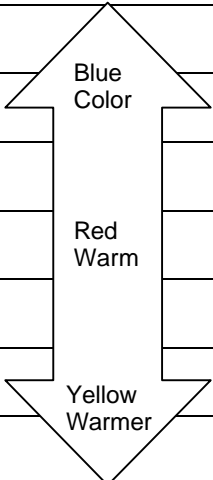
Color Adjustment

Color adjustments give the user the flexibility to customize color settings for different types of applications. Text based applications that use light backgrounds with black text benefit from cooler bluish white “paper like” colors. Color / graphics applications like web page development and pre press benefit from warmer reddish color adjustments. Optimizing the monitors color settings will provide for more accurate color reproduction and accuracy.

Cornerstone monitors are optimized at the factory for text based applications. The default color setting of 9000°K provides paper white performance that is critical for today's business applications.

When you set up a Cornerstone monitor, you can adjust the “white point,” or the color temperature using the direct digital user controls. If your application is color intensive, you would choose a white point of 6500°K. For printed reproduction, a white point of 5000°K will match standard viewing conditions.

Source	Application	Color Temperature
Cornerstone Monitor	Text Based	9000°K
Average Daylight		6500°K
Television	Color Intensive	6500°K
Cool White Fluorescent		6500°K
Print Reproductions	Photo Reproduction	5000°K
Tungsten Lamp		2800°K
Sunlight at Sunrise		2000°K



See COLOR SELECT and COLOR BALANCE on page 24 for more details.

NOTE:

The information in this manual is subject to change without notice. The manufacturer assumes no responsibility for any errors that may appear in this manual.

TRADEMARK ACKNOWLEDGEMENT

VGA is a registered trademark of International Business Machines Corporation.

VESA is a trademark of a nonprofit organization, Video Electronics Standard Association.

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VGA est une marque déposée d'International Business Machines Corporation.

VESA est la marque d'une organisation sans but lucratif, la Video Electronics Standard Association.

ENERGY STAR® est une marque de l'EPA (Environmental Protection Agency, USA).

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VGA ist ein eingetragenes Warenzeichen der International Business Machines Corporation.

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ENERGY STAR® es una marca de Environmental Protection Agency (EPA).

NOTA:

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VGA è un marchio di fabbrica registrato da International Business Machines Corporation.

VESA è il marchio di riconoscimento della organizzazione a non-profit, Video Electronics Standard Association.

ENERGY STAR® è il marchio di fabbrica della Environmental Protection Agency (EPA).

CAUTIONS

◆ NEVER REMOVE THE REAR COVER !

The rear cover MUST be removed only by authorized service personnel. This color monitor contains high voltage components.

◆ THE RECEPTACLE SHOULD BE CLOSE TO THE MONITOR AND EASILY ACCESSIBLE !

◆ INSTALL THE UNIT IN A SUITABLE ENVIRONMENT !

DO NOT expose this monitor to rain or moisture to prevent electric shock or fire hazard. This unit is designed to be used in an office or business environment.

DO NOT subject the unit to vibrations, dust, or corrosive gases.

◆ KEEP IN A WELL VENTILATED PLACE !

DO NOT cover this monitor or place anything against any sides (not only the top, right and left side but also the rear and bottom side) of unit. Ventilation holes are provided at all sides of the rear cover to prevent the temperature from rising.

◆ KEEP AWAY FROM HEAT SOURCES !

AVOID placing the unit in direct sunshine or near a heating appliance.

◆ BE CAREFUL OF MAGNETIC FIELDS !

DO NOT place a magnet, loudspeaker system, floppy disk drive, printer, or anything which will generate magnetism near the unit. A magnetic field may cause blurred colors or distortion of the displayed pattern.

◆ BE CAREFUL OF GENERATED MAGNETISM !

After the power has been turned on or "DEGAUSS" button has been pressed, the CRT is demagnetized for approximately 10 seconds. This generates a strong magnetic field around the front cover which may affect the data stored on magnetic tapes or disks near the front cover. Place such magnetic recording equipment and tapes/disks away from this unit.

◆ AMBIENT ILLUMINATION

Avoid direct rays of the sun or room lighting onto the CRT screen in order to prevent eye fatigue.

◆ THE ENCLOSED POWER CORD MUST BE USED !

In Europe, a proper European standard approved power cord is to be used with this monitor. For a rated current up to 6 A, a type not lighter than H05VV-F 3G 0.75 mm² or H05VVH2-F 3G 0.75 mm² must be used.

In USA/Canada, use a UL LISTED/CSA LABELLED or CERTIFIED power cord set meeting the following specifications

Rating: min. 125V, 7A

Length: max. 3.0m

Type: SVT or SJT

Plug type: NEMA 5-15P figure, Parallel blade, Grounding type, 125V, 15A

Failure to do so may cause fire or electric shock hazard.

◆ USE ONLY THE CORRECT VOLTAGE POWER OUTLET WITH SAFETY GROUND CONNECTION !

100 - 120 V for USA, Canada, etc.

200 - 240 V for Europe, etc.

(This monitor will automatically adjust to the input voltage 100 - 120 / 200 - 240V.)

◆ **CAUTION for 200 - 240V operation only**

This equipment relies on the protective devices in the building installation for short-circuit and over-current protection. Refer to the following table for the suitable number and location of the protective devices which should be provided in the building installation.

Protective devices in single - phase equipment or sub - assemblies

	Protection against	Minimum number of fuses or circuit - breaker poles	Location
Equipment to be connected to POWER SYSTEMS with earthed neutral reliably identified	Earth faults	1	Both conductors
	Over-current	1	Either of the two conductors
Equipment to be connected to any supply, including IT POWER SYSTEMS and supplies with reversible plugs	Earth faults	2	Both conductors
	Over-current	1	Either of the two conductors

Verify that the protective devices in the building installation meets the conditions in the table prior to installing the equipment.

◆ **BE CAREFUL OF POWER CORD CONNECTION !**

Before inserting the plug of the power cord into a receptacle of the correct voltage, check that the connection portion of the power cord is clean (with no dust). Then, insert the plug of power cord to a receptacle firmly, otherwise it may cause electrical shock or fire.

◆ **REMOVE THE POWER CORD FOR COMPLETE SEPARATION !**

For complete separation from the power source, remove the power cord from the monitor or from the wall outlet.

◆ **AVOID FREQUENT POWER ON-OFF SWITCHING !**

DO NOT repeat OFF and ON in a short period. It may cause blurred colors or distortion of the displayed pattern.

◆ **BE CAREFUL OF STATIC ELECTRICITY ON CRT SURFACE !**

To prevent electrical shock by the static electricity on the CRT surface, disconnect the power cord at least 30 SECONDS AFTER turning off the power.

◆ **ABOUT CLEANING**

This monitor has a non-glare and anti-electrostatic treatment on the surface of the screen. Use water or alcoholic solvent with soft cloth like gauze to clean the surface of the screen.

NEVER use abrasive, glass cleaner containing highly concentrated ammonia and strong base chemicals since they damage the surface treatment.

Clean the cabinet and controls with a lightly moistened soft cloth.

DO NOT use aerosol sprays, solvents or abrasive cleaners.

◆ **FCC (Federal Communications Commission) STATEMENT WARNING**

WARNING : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Instructions to Users : This equipment complies with the requirements of FCC (Federal Communication Commission) regulations, provided that following conditions are met. Video inputs : The input signal amplitude must not exceed the specified level.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Declaration of Conformity

According to 47CFR, Part 2 and 15 for

**Class B Personal Computers and Peripherals; and / or
CPU Boards and Power Supplies used with Class B Personal Computers:**

We: Cornerstone

Located at: 225 Hammond Avenue, Fremont, CA 94539 U.S.A.

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR § 2.909. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. The above named party is responsible for ensuring that the equipment complies with the standards of 47CFR § 15.101 to 15.109.

Trade name: Color Monitor

Model Number: CD1***

Signature of Party Responsible: _____

Printed name of Party Responsible: James W. Witkowski

Executed on (Date), at (Place): December 28, 1998, CA., U.S.A.

◆ **FOR THE CUSTOMERS IN CANADA**

NOTICE : This Class B digital apparatus complies with ICES-003.

◆ FOR THE CUSTOMERS IN THE U.K.

THIS PRODUCT IS SUPPLIED WITH A TWO PIN MAINS PLUG FOR USE IN MAINLAND EUROPE. FOR THE U.K. PLEASE REFER TO THE NOTES ON THIS PAGE.

IMPORTANT FOR UNITED KINGDOM

WORDING FOR CLASS I EQUIPMENT INSTRUCTION BOOKS AND LABELS

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BSI approved BS 1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. Fuse covers are available from your dealer.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

Should it be necessary to change the mains plugs, this must be carried out by a competent person, preferably a qualified electrician.

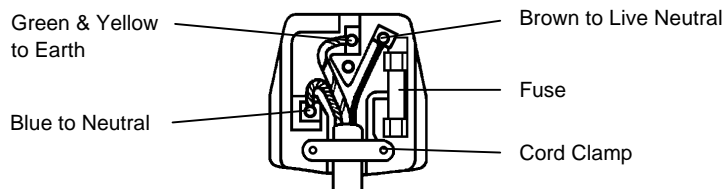
If there is no alternative to cutting off the mains plug, ensure that you dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

WARNING: THIS EQUIPMENT MUST BE EARTHED

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Green and Yellow = Earth, Blue = Neutral, Brown = Live.



As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN and YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol \oplus or coloured GREEN or GREEN and YELLOW.

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

PRECAUTIONS

◆ NE RETIREZ JAMAIS LE COFFRET ARRIÈRE !

Le coffret arrière doit uniquement être retiré par un technicien autorisé. Ce moniteur couleur contient en effet des composants de tension élevée.

◆ LA PRISE SECTEUR DOIT ÊTRE PROCHE DU MONITEUR ET FACILEMENT ACCESSIBLE !

◆ INSTALLEZ L'UNITÉ DANS UN ENVIRONNEMENT ADÉQUAT !

N'EXPOSEZ PAS le moniteur à la pluie ou à l'humidité afin d'éviter toute électrocution ou risque d'incendie. Ce moniteur est destiné à être utilisé dans un environnement de bureau. Evitez les vibrations, les poussières et les gaz corrosifs.

◆ PLACEZ LE MONITEUR DANS UN ENDROIT BIEN VENTILÉ !

NE COUVREZ PAS le moniteur et ne placez aucun objet contre l'une quelconque de ses surfaces (que ce soit au-dessus, à droite, à gauche, à l'arrière ou sous le moniteur). Des orifices de ventilation sont placés sur tous les côtés du coffret arrière afin d'éviter toute élévation de température.

◆ PLACEZ LE MONITEUR À L'ÉCART DES SOURCES DE CHALEUR !

NE PLACEZ PAS le moniteur sous le rayonnement direct du soleil ou près d'appareils de chauffage.

◆ ATTENTION AUX CHAMPS MAGNÉTIQUES !

Ne placez pas d'aimant, de système de haut-parleur, de lecteur de disquettes, d'imprimante, ou d'appareil capable de générer un champ magnétique auprès du moniteur. Un champ magnétique peut provoquer le brouillage des couleurs ou la distorsion de l'affichage.

◆ ATTENTION AU MAGNÉTISME !

Lorsque le moniteur est mis sous tension ou le bouton "DEGAUSS" enclenché, l'écran est démagnétisé pendant environ 10 secondes. Cette opération génère un champ magnétique important autour du carter avant qui peut affecter les données stockées sur des bandes ou des disques magnétiques proches. Placez les appareils d'enregistrement magnétiques ainsi que les bandes et les disquettes, à l'écart de ce moniteur.

◆ I ÉCLAIRAGE AMBIANT

Afin de réduire la fatigue oculaire, évitez le rayonnement direct du soleil ou de l'éclairage de la pièce sur l'écran.

◆ SI UN CORDON D'ALIMENTATION EST FOURNI AVEC LE MONITEUR, C'EST CE CORDON QUI DOIT ÊTRE UTILISÉ !

En Europe, utilisez un cordon d'alimentation conforme aux normes européennes. Pour un courant nominal allant jusqu'à 6 ampères, le cordon d'alimentation doit être au moins de type H05VV-F3G0,75 mm² ou H05VVH2-F3G0,75 mm².

Aux USA et au Canada, utilisez un cordon d'alimentation UL "LISTED" / CSA "LABELLED" ou "CERTIFIED" correspondant aux spécifications suivantes:

Puissance nominale : minimum 125V, 7ampères

Longueur : maximum 3,0 m

Type : SVT ou SJT

Type de prise : NEMA 5-15P figure, Fiches parallèles, avec masse

Le non-respect de ces normes, peut entraîner des risques d'incendie ou d'électrocution.

◆ UTILISEZ UNIQUEMENT DES PRISES DE TENSION APPROPRIÉE ET RELIÉES À LA TERRE !

100	-	120	V	pour	les	USA,	le	Canada,	etc.
200	-	240	V			pour		l'Europe,	etc.

(Ce moniteur se règle automatiquement sur la tension d'entrée 100 - 120 / 200 - 240 V.)

◆ **ATTENTION uniquement destiné à l'utilisation en 200 - 240 V**

Cet équipement utilise les systèmes de protection électriques du bâtiment où il est installé pour l'isolation contre les courts-circuits ou les surtensions. Voir le tableau qui suit pour la localisation et le nombre adéquats de systèmes de protection du bâtiment.

Systèmes de protection en équipement monophasé ou sous-ensembles

	Protection contre	nombre minimum de fusibles ou de pôles de coupe-circuit	Localisation
Equipment à connecter à des SYSTÈMES D'ALIMENTATION dont le fil de masse est facilement identifiable.	Problèmes de masse	1	Les deux conducteurs
	Surtension	1	L'un des deux conducteurs
Equipment à connecter à toute alimentation, y compris les systèmes d'alimentation informatiques et alimentation avec prises réversibles.	Problèmes de masse	2	Les deux conducteurs
	Surtension	1	L'un des deux conducteurs

Vérifiez que les systèmes de protection du bâtiment correspondent aux conditions indiquées dans ce tableau avant d'installer le moniteur.

◆ **FAITES ATTENTION AU BRANCHEMENT DU CORDON D'ALIMENTATION !**

Avant de brancher la prise mâle du cordon d'alimentation sur une prise murale de tension correcte, vérifiez que la partie de ce cordon qui se trouve au niveau de la connexion est propre (c'est-à-dire qu'il n'y a pas de poussière). Ensuite, enfoncez fermement la prise mâle de ce cordon dans une prise murale afin d'éviter tout risque de choc électrique ou d'incendie.

◆ **POUR UNE ISOLATION COMPLÈTE, RETIREZ LE CORDON D'ALIMENTATION !**

Pour une isolation complète par rapport à la source d'alimentation, retirez le cordon d'alimentation du moniteur ou de la prise murale.

◆ **ÉVITEZ D'ALLUMER ET D'ÉTEINDRE LE MONITEUR À INTERVALLES TROP RAPPROCHÉS !**

N'allumez pas et n'éteignez pas le moniteur à des intervalles trop rapprochés. Vous risquez de provoquer le brouillage des couleurs ou la détérioration de l'affichage.

◆ **ATTENTION A L'ÉLECTRICITÉ STATIQUE PRÉSENTE A LA SURFACE DE L'ÉCRAN !**

Pour éviter tout risque d'électrocution due à l'électricité statique présente à la surface de l'écran, débranchez le cordon d'alimentation au moins 30 secondes après avoir éteint le moniteur.

◆ **À PROPOS DE L'ENTRETIEN**

La surface de ce moniteur a subi un traitement anti-reflets et anti-électrostatique. Utilisez de l'eau ou un solvant à base d'alcool avec un chiffon doux tel que de la gaze pour nettoyer la surface de l'écran. N'utilisez jamais de nettoyeurs abrasifs pour vitres contenant de l'ammoniaque à forte concentration ou des produits chimiques puissants car ils endommageraient l'écran. Nettoyez le coffrage et les boutons de réglage avec un chiffon doux légèrement humide. N'UTILISEZ PAS de vaporisateurs, de solvants ou de nettoyeurs abrasifs.

◆ **POUR LES UTILISATEURS AU CANADA**

AVIS : Cet appareil numérique de la Classe B rest conforme à la norme NMB-003 du Canada.

VORSICHTSMASSNAHMEN

◆ NIEMALS DIE RÜCKWAND ABNEHMEN !

Die Rückwand darf nur von autorisiertem Wartungspersonal abgenommen werden.
Dieser Farbmonitor enthält Hochspannungskomponenten.

◆ DIE STECKDOSE SOLLTE SICH NAHE BEIM GERÄT BEFINDEN UND LEICHT ZUGÄNGLICH SEIN !

◆ SCHÄDLICHE UMWELTBEDINGUNGEN VERMEIDEN !

Diesen Farbmonitor niemals Regen oder Feuchtigkeit aussetzen, um elektrische Schläge und Feuergefahr zu vermeiden.

Dieser Monitor ist nur für die Verwendung in geschlossenen Räumen konstruiert.
Den Monitor niemals Vibrationen, Staub oder korrodierenden Gasen aussetzen.

◆ AUF GUTE BELÜFTUNG ACHTEN !

Den Monitor nicht abdecken und auch die Seitenwände freihalten. Die Rückwand ist an den Seiten mit Belüftungslöchern versehen, damit die Innentemperatur nicht zu hoch ansteigt.

◆ HITZE VERMEIDEN !

Den Monitor nicht in direktem Sonnenlicht oder in der Nähe von Heizgeräten aufstellen.

◆ AUF MAGNETFELDER ACHTEN !

Niemals Magnete, Lautsprecher, Diskettenlaufwerke oder andere Geräte, die Magnetfelder erzeugen, in der Nähe des Monitors aufstellen. Magnetfelder können zu Farbfehlern und Verzerrungen der angezeigten Bilder führen.

◆ ACHTUNG VOR ERZEUGTEN MAGNETFELDERN !

Nach dem Einschalten des Gerätes oder nach dem Drücken der DEGAUSS-Taste wird die Bildröhre für ungefähr 10 Sekunden entmagnetisiert. Dabei entsteht ein starkes Magnetfeld in der Umgebung des Gehäuserahmens der Bildröhre. Dies kann Magnetbänder und Disketten in unmittelbarer Nähe beeinflussen. Platzieren Sie magnetische Aufzeichnungsgeräte, Bänder und Disketten nicht in unmittelbarer Nähe des Monitors.

◆ UMGEBUNGSBELEUCHTUNG

Vermeiden Sie die direkte Einstrahlung von Sonnenlicht oder Raumbelichtung auf die Bildschirmoberfläche, um der Augenermüdung vorzubeugen.

◆ BENUTZEN SIE EINE GEERDETE STECKDOSE !

Für den Netzanschluß dieses Gerätes ist eine geprüfte Leitung zu verwenden.

Für einen Nennstrom bis 6 A ist eine Leitung von mindestens H05VV-F 3G 0,75 mm² oder H05VVH2-F 3G 0,75 mm² einzusetzen. Das mitgelieferte Netzkabel ist zu verwenden.

◆ DIESES GERÄT HAT EINE AUTOMATISCHE SPANNUNGSEINSTELLUNG 100 - 120 / 200 - 240 V !

◆ VORSICHT BEIM NETZANSCHLUSS !

Prüfen Sie vor dem Einstecken des Netzsteckers in eine Steckdose mit korrekter Spannung, ob das Netzkabel sauber (und staubfrei) ist, Stecken Sie dann den Netzstecker fest in die Steckdose ein.

◆ VOLLSTÄNDIGE TRENNUNG VOM NETZ !

Zur vollständigen Trennung vom Netz ist der Netzstecker aus der Steckdose zu ziehen oder die Netzleitung vom Gerät zu trennen.

◆ HÄUFIGES AUS- UND EINSCHALTEN DES MONITORS VERMEIDEN !

Niemals den Netzschalter in kurzen Abständen betätigen. Andernfalls können Farbfehler und Verzerrungen der angezeigten Bilder auftreten.

◆ **ACHTUNG : Nur für 200-240 V-Betrieb**

Dieses Gerät hängt von den Gebäudeinstallationen für Kurzschluß - und Überstromschutz ab. In der folgenden Tabelle sind die geeignete Anzahl und der Anschluß der Schutzvorrichtungen aufgeführt, die in den Gebäudeinstallationen enthalten sein müssen.

Schutzvorrichtungen in Einphasengeräten oder Untereinheiten

	Schutz gegen	Mindestanzahl der Sicherungen oder Schutzschalter	Anschluß
Gerät wird an STROMVERSOR-UNG mit zuverlässig identifizierbarem Null - Leiter angeschlossen	Erdungsfehler	1	Beide Leiter
	Überstrom	1	Einer der beiden Leiter
Gerät wird an beliebiger Stromquelle, einschließlich IT - STROMVERSOR-UNG und Stromversorgungen mit Zweiwegsteckern, angeschlossen	Erdungsfehler	2	Beide Leiter
	Überstrom	1	Einer der beiden Leiter

Kontrollieren Sie vor der Installation des Gerätes, ob die Schutzvorrichtungen in der Gebäudeinstallation die Bedingungen aus der Tabelle erfüllen.

◆ **STATISCHE ELEKTRIZITÄT AUF DER BILDSCHIRMOBERFLÄCHE !**

Um einen elektrischen Schlag durch die statische Elektrizität auf der Bildschirmoberfläche zu vermeiden, das Netzkabel frühestens 30 Sekunden nach dem Ausschalten lösen.

◆ **REINIGUNG**

Der Monitor besitzt eine entspiegelnde, antistatische Beschichtung der Bildröhre. Benutzen Sie nur ein weiches Tuch, daß Sie mit Wasser oder Alkohol befeuchten können, zur Reinigung der Bildröhre. Benutzen Sie niemals aggressive Glasreiniger, die hohe Ammoniakkonzentrationen enthalten, oder andere Chemikalien! Diese Mittel beschädigen die Beschichtung der Bildröhre !
Reinigen Sie das Gehäuse nur mit einem weichen feuchten Tuch.
Benutzen Sie niemals Aerosolsprays, Lösungsmittel oder Scheuermittel !

◆ **ERGONOMIE**

Um den Anforderungen der deutschen Ergonomie-Norm ZH1/618 zu entsprechen,

1. wird empfohlen, die Grundfarbe Blau nicht auf dunklem Hintergrund zu verwenden (schlechte Erkennbarkeit, Augenbelastung bei zu geringem Zeichenkontrast),
2. wird folgende Einstellung des Grafikcontrollers und Monitors empfohlen:
Vertikalfrequenz : 70 Hz oder höher,
Ohne Zeilensprung

PRECAUCIONES

◆ NUNCA EXTRAIGA LA TAPA POSTERIOR !

La extracción de la tapa posterior DEBE llevarse a cabo sólo por personal de servicio autorizado. Este monitor contiene en su interior componentes de alto voltaje.

◆ EL ENCHUFE DE PARED DEBE ESTAR PRÓXIMO AL MONITOR Y SER DE FÁCIL ACCESO !

◆ INSTALE LA UNIDAD EN EL LUGAR APROPIADO !

NO exponga éste monitor a la lluvia ni a la humedad para evitar descargas eléctricas o peligro de incendio. Esta unidad está diseñada para su utilización en oficinas o ambiente comercial.

NO exponga la unidad a vibraciones, polvo o gases corrosivos.

◆ MANTÉNGALO EN UN LUGAR BIEN VENTILADO !

NO cubra éste monitor ni coloque nada contra los lados de la unidad (no únicamente en la parte superior y en los lados derecho e izquierdo tampoco en las partes posterior e inferior de la unidad). Los orificios de ventilación están distribuidos por todos los lados de la tapa posterior para prevenir el aumento de la temperatura.

◆ PRESERVE LA UNIDAD DE FUENTES O RADIACIONES DE TEMPERATURA !

EVITE colocar la unidad bajo las radiaciones directas de los rayos de sol o próxima a una fuente de calor.

◆ TENGA CUIDADO CON LOS CAMPOS MAGNÉTICOS !

NO coloque cerca de la unidad imanes, sistemas de altavoces, unidades de discos flexibles, impresoras o cualquier otro dispositivo que pueda generar campos magnéticos. Un campo magnético puede producir colores borrosos o distorsión de las imágenes presentadas.

◆ CUIDADO CON LOS CAMPOS MAGNÉTICOS GENERADOS !

Después de conectar la alimentación o de pulsar la tecla "DEGAUSS", el TRC se desmagnetiza durante aproximadamente 10 segundos. Esto genera un fuerte campo magnético alrededor que puede afectar datos almacenados en cintas o discos magnéticos que estén en su proximidad. Coloque éstos sistemas de almacenamiento magnético alejados de esta unidad.

◆ ILUMINACION AMBIENTAL

Debe evitarse que los rayos de sol o que la iluminación ambiente incidan directamente en la pantalla del TRC a fin de prevenir la fatiga visual.

◆ SE SUMINISTRA EL CABLE DE ALIMENTACIÓN A UTILIZAR !

Se debe utilizar un cable eléctrico que cumpla un estándar Europeo aprobado. Para una corriente nominal de hasta 6A, se debe utilizar un tipo de cable superior al H05VV-F 3G 0,75 mm² o H05VVH2-F 3G 0,75 mm².

El incumplimiento de lo anterior puede provocar fuego o un accidente eléctrico.

◆ UTILIZAR ÚNICAMENTE CLAVIJAS DE CONEXIÓN ELÉCTRICA CON TOMA DE TIERRA DE SEGURIDAD !

100	-	120	V	para	USA,	Canadá,	etc.
200	-	240	V		para	Europa,	etc.

(Este monitor selecciona automáticamente el valor de tensión de la entrada de alimentación 100 - 120 / 200 - 240 V.)

◆ CUIDADO CON LAS CONEXIONES DE LOS CABLES DE ALIMENTACIÓN !

Antes de conectar la toma del cable de alimentación a una toma de alimentación eléctrica de tensión correcta, compruebe que la parte de conexión del cable de alimentación está limpia (sin polvo). Luego inserte firmemente la toma del cable de alimentación en el receptáculo, de lo contrario podría originar un choque eléctrico o un incendio.

◆ **PRECAUCIONES sólo para su funcionamiento a 200 - 240V**

Este equipo debe instalarse en tomas de corriente a las que se haya dotado de dispositivos de protección contra cortocircuitos y sobrecorrientes. Consulte la tabla siguiente para conocer y localizar los dispositivos de protección que debe dotarse la instalación eléctrica interior.

Dispositivos de protección Monofásicos

	Protección contra	Mínimo nº de fusibles o polos cortocircuitables	Localización
El equipo debe conectarse a tomas de corriente con neutro a tierra debidamente identificado	fallos de tierra	1	Los dos conductores
	sobrecorriente	1	Cualquier conductor
El equipo debe conectarse a cualquier toma de corriente, incluyendo SISTEMAS DE ALIMENTACIÓN ININTERRUMPIDA con toma reversible	fallos de tierra	2	Los dos conductores
	sobrecorriente	1	Cualquier conductor

Antes de proceder a la instalación del equipo comprobar que los dispositivos de protección de la instalación eléctrica cumplen las normas resumidas en la tabla anterior.

◆ **DESCONECTAR EL CABLE DE ALIMENTACIÓN PARA QUE LA SEPARACIÓN SEA COMPLETA !**

Para una total separación de la alimentación eléctrica, extraiga el cable de alimentación de la clavija de pared de conexión eléctrica.

◆ **EVITE LAS CONEXIONES Y DESCONEXIONES FRECUENTES DE LA ALIMENTACIÓN !**

NO repita la conexión y desconexión en un corto periodo de tiempo. Podría causar colores borrosos o distorsión de las imágenes visualizadas.

◆ **TENGA CUIDADO CON LA ELECTRICIDAD ESTÁTICA DE LA SUPERFICIE DEL TRC !**

Para evitar la descarga de la electricidad estática de la superficie del TRC, desconectar el cable de alimentación eléctrica como mínimo 30 SEGUNDOS DESPUÉS de apagar la alimentación.

◆ **SOBRE LA LIMPIEZA**

Este monitor incorpora tratamientos antirreflejos y antielectrostáticos en la superficie de la pantalla. Utilizar agua o disolvente con alcohol y una gamuza suave para limpiar la superficie de la pantalla. No utilizar NUNCA limpiadores que sean abrasivos, amoniacados y químicamente básicos puesto que pueden dañar el tratamiento de la superficie. Limpiar el mueble y los controles con un paño suave humedecido. NO UTILIZAR atomizadores en aerosol, disolventes o limpiadores abrasivos.

PRECAUZIONI

◆ NON RIMUOVERE MAI IL PANNELLO POSTERIORE !

Il pannello posteriore DEVE essere rimosso solo da personale di servizio autorizzato. Questo Monitor contiene componenti ad alta tensione.

◆ IL CONTENITORE DEVE ESSERE VICINO AL MONITOR E FACILMENTE ACCESSIBILE !

◆ INSTALLARE IL MONITOR IN AMBIENTE ADEGUATO !

NON esporre il Monitor alla pioggia o all'umidità così da prevenire shock elettrici e corto circuiti. Questo prodotto è stato progettato per lavorare in uffici o in attività commerciale.

NON sottoporre questo prodotto a vibrazioni, polvere o gas corrosivi.

◆ TENERE IN POSTO VENTILATO !

NON coprire, o appoggiare alcunché contro il Monitor su nessuno dei lati (nessun lato escluso). I fori di ventilazione sono presenti su tutti i lati e servono ad evitare l'innalzamento della temperatura all'interno del Monitor.

◆ TENERE LONTANO DA FONTI DI CALORE !

EVITARE di tenere il Monitor sotto i raggi diretti del sole o vicino ai sifoni dell'impianto di riscaldamento.

◆ FATE ATTENZIONE AI CAMPI MAGNETICI !

NON tenere un magnete, altoparlanti, lettori di floppy disk, stampanti o qualsiasi oggetto che possa generare magnetismo vicino al Monitor. Il campo magnetico può creare macchie di colore o distorsioni di vario genere.

◆ NON GENERATE CAMPI MAGNETICI !

Dopo aver acceso il Monitor, o premuto il TASTO DI SMAGNETIZZAZIONE, il Cinescopio risulta smagnetizzato per circa 10 secondi. Questo genera un forte campo magnetico nelle vicinanze del pannello frontale, che potrebbe alterare i dati contenuti su supporti magnetici. Tenere i lettori di supporti magnetici lontano dal Monitor.

◆ ILLUMINAZIONE DELL'AMBIENTE !

Evitare i raggi diretti del sole o la luce delle lampade dirette sopra lo schermo in modo da prevenire l'affaticamento degli occhi.

◆ IL CAVO DI ALIMENTAZIONE DEVE ESSERE USATO SE INCLUSO !

In Europa, esiste un modello di cavi di alimentazione Europeo, propriamente definito ed approvato, da utilizzare con questo Monitor. Per un impiego fino a 6 A, un tipo di cavo non inferiore a H05W-F 3G 0,75 mm², oppure, H05WH2-F 3G 0,75 mm².

Il non rispetto delle indicazioni, può provocare shock elettrici.

Per USA/Canada, usare UL LISTED/CSA LABELLED o CERTIFIED cavo di alimentazione rispondente le seguenti specifiche.

Impiego : min. 125V, 7A
Lunghezza : max. 3,0 m
Tipo : SVT o SJT

◆ USARE SOLO I VALORI DI ALIMENTAZIONE PREVISTI, CON CONNESSIONE DI SICUREZZA !

100-120V per USA, Canada, etc.

200-240V per Europa, etc.

(Questo Monitor può impostare automaticamente le seguenti tensioni d'ingresso 100-120/200-240V.)

◆ PRECAUZIONI per utilizzo a 220V

Questo dispositivo e' equipaggiato, durante la fasi di produzioni , con componenti dedicati alla protezioni dai corto circuiti e da picchi di corrente. La seguente tabella, fornisce in dettaglio, le informazioni relative ad identificare i componenti utilizzati per questo specifico scopo.

Componenti di protezione utilizzati singolarmente o all'interno di parti assemblate.

	Tipo di protezione ponticellati	Numero minimo di fusibili o circuiti-ponticellati	Posizione
Dispositivo da connettere ad un ALIMENTATORE ,con massa neutra , facilmente identificabile.	Corto Circuiti	1	Entrambi I conduttori
	Picchi di corrente	1	Uno dei due conduttori.
Dispositivo da connettere a qualsiasi Alimentatore, incluso un proprio circuito di potenza disponibile di Spina reversibile.	Corto Circuiti	2	Entrambi I conduttori
	Picchi di corrente	1	Uno dei due conduttori.

Verificare che i componenti di protezione montati nel dispositivo, siano corrispondenti a quanto descritto nella tabella, prima di installare il dispositivo stesso.

◆ ATTENZIONE ALLA CONNESSIONE DEL CAVO DI ALIMENTAZIONE.

Verificare che tutto il cavo sia in perfette condizioni, dopodiche', connettere in modo stabile.

◆ RIMUOVERE IL CAVO DI ALIMENTAZIONE IN CASO SCONNESSIONE!

Dovendo separare il dispositivo , si consiglia di sconnettere prima il cavo di alimentazione dalla presa di rete.

◆ EVITARE "ACCENSIONI/SPEGNIMENTI" FREQUENTI !

Non ripetere l'operazione di accensione e spegnimento in modo frequente, questo potrebbe causare macchie di colore o distorsioni varie.

◆ FARE ATTENZIONE ALLE CARICHE ELETTROSTATICHE SULLA SUPERFICIE DEL CINESCOPIO !

Per prevenire schok elettrici dovuti alla elettricità statica sulla superficie del cinescopio, disconnettere il cavo di alimentazione almeno 30 secondi dopo avere spento il dispositivo.

◆ NORME PER LA PULIZIA

Sulla superficie del cinescopio di questo Monitor, sono stati eseguiti ,un trattamento anti scarica elettrostatica ed un trattamento anti riflesso. Usare acqua solvente con base alcol con panni soffici, quali garze etc, per pulire la superficie dello schermo.

NON USARE MAI paste abrasive, prodotti per la pulizia dei vetri, che contengano un alto concentrato di ammoniaca o basati su prodotti chimici, in quanto questi prodotti potrebbero danneggiare i trattamenti sulla superficie dello schermo.

Pulire le rimanenti parti del Monitor, il contenitore in plastica e i controlli, con panni soffici ed umidi.

NON USARE aerosol sprays, solventi o pulitori abrasivi.



Congratulations!

You have just purchased a TCO'95 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also, to the further development of environmentally adapted electronics products.

Why do we have environmentally labelled computers?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem, as far as computers and other electronics equipment are concerned, is that environmentally harmful substances are used both in the products and during the manufacturing. Since it has not been possible for the majority of electronics equipment to be recycled in a satisfactory way, most of these potentially damaging substances sooner or later enter Nature.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Since all methods of conventional electricity generation have a negative effect on the environment (acidic and climate-influencing emissions, radioactive waste, etc.), it is vital to conserve energy. Electronics equipment in offices consume an enormous amount of energy since they are often left running continuously.

What does labelling involve?

This product meets the requirements for the TCO'95 scheme which provides for international and environmental labelling of personal computers. The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Naturskyddsforeningen (The Swedish Society for Nature Conservation) and NUTEK (The National Board for Industrial and Technical Development in Sweden).

The requirements cover a wide range of issues: environment, ergonomics, usability, emission of electrical and magnetic fields, energy consumption and electrical and fire safety.

The environmental demands concern restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons) and chlorinated solvents, among other things. The product must be prepared for recycling and the manufacturer is obliged to have an environmental plan which must be adhered to in each country where the company implements its operational policy.

The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the computer shall be reasonable for the user.

Labelled products must meet strict environmental demands, for example, in respect of the reduction of electric and magnetic fields, physical and visual ergonomics and good usability.

On the back page of this folder, you will find a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

TCO Development Unit

S-114 94 Stockholm

Sweden

Fax: +46 8 782 92 07

Email (Internet): development@tco.se

Current information regarding TCO'95 approved and labelled products may also be obtained via the Internet, using the address:

<http://www.tco-info.com/>

TCO'95 is a co-operative project between TCO (The Swedish Confederation of Professional Employees), Naturskyddsforeningen (The Swedish Society for Nature Conservation) and NUTEK (The National Board for Industrial and Technical Development in Sweden).

Environmental Requirements

Brominated flame retardants

Brominated flame retardants are present in printed circuit boards, cables, wires, casings and housings. In turn, they delay the spread of fire. Up to thirty percent of the plastic in a computer casing can consist of flame retardant substances. These are related to another group of environmental toxins, PCBs, which are suspected to give rise to similar harm, including reproductive damage in fish-eating birds and mammals, due to the bio-accumulative¹⁾ processes. Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur.

TCO'95 demand requires that plastic components weighing more than 25 grams must not contain organically bound chlorine and bromine.

Lead²⁾

Lead can be found in picture tubes, display screens, solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning.

TCO'95 requirement permits the inclusion of lead since no replacement has yet been developed.

Cadmium²⁾

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses.

TCO'95 requirement states that batteries may not contain more than 25 ppm (parts per million) of cadmium. The colour-generating layers of display screens must not contain any cadmium.

Mercury²⁾

Mercury is sometimes found in batteries, relays and switches. Mercury damages the nervous system and is toxic in high doses.

TCO'95 requirement states that batteries may not contain more than 25 ppm (parts per million) of mercury. It also demands that no mercury is present in any of the electrical or electronics components concerned with the display unit.

CFCs (freons)

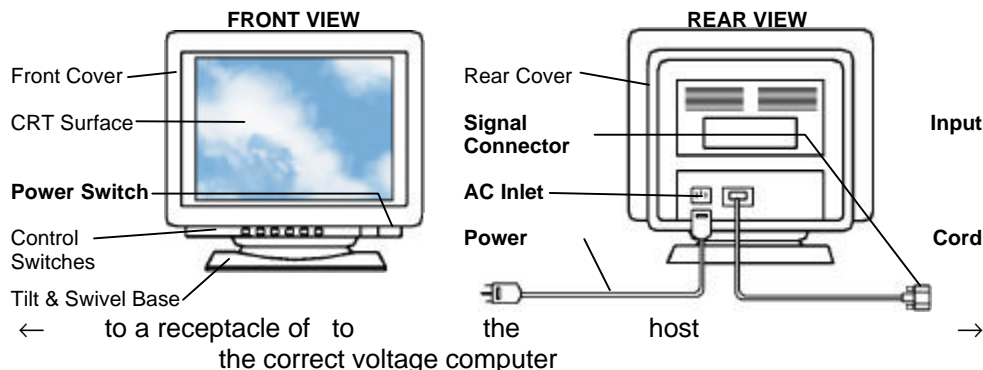
CFCs (freons) are sometimes used for washing printed circuit boards and in the manufacturing of expanded foam for packaging. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on Earth of ultraviolet light with consequent increased risks of skin cancer (malignant melanoma).

The relevant TCO'95 requirement: Neither CFCs nor HCFCs may be used during the manufacturing of the product or its packaging.

¹⁾ *Bio-accumulative is defined as substances which accumulate within living organisms*

²⁾ *Lead, Cadmium and Mercury are heavy metals which are Bio-accumulative.*

Install the monitor in the following way, taking care to maintain safety.



1. Installation

Install the monitor on a horizontal base.

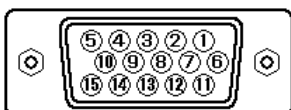
2. Power Cord Connection

- (1) Make sure of using the power cord meeting the safety standard of the country in which you are using the monitor.
- (2) Insert the connector of a power cord to the AC Inlet of the monitor.
- (3) Insert the plug of the power cord to a receptacle of the correct voltage.

3. Signal Cable Connection

Insert the Signal Input Connector of the monitor to the host computer, with attention to its suitability, and secure the screws on the connector shell firmly.

D-Sub Mini 15-pin Connector



Pin No.	Signal
1	Red Video
2	Green Video
3	Blue Video
4	Ground
5	DDC Ground
6	Red Ground
7	Green Ground
8	Blue Ground
9	No connection
10	Ground
11	Ground
12	Bi-directional Data [SDA]
13	H.Sync. (or H/V)
14	V.Sync. [VCLK]
15	Data Clock [SCL]

4. Power On

Turn on the Power Switch of the monitor first, then the computer. Refer to Page 23 "POWER ON/OFF".

Installation

MONITOR INF

for Windows® 95/98

1. Monitor INF file

This monitor complies with DDC. If your computer system (including the video adapter) complies with DDC, you will obtain the optimum performance from this monitor.

Please use this “Monitor INF file” if your computer system does not comply with DDC, you will then obtain the optimum performance from this monitor.

2. Installation Procedure

This procedure for installation may be different amongst the various versions of Windows®. In this event please follow the instruction messages provided by Windows®.

- (1) Start Windows®95.
- (2) Click the “Start”, go to the “Settings”, and select “Control Panel”.
- (3) Double-click the “Display” icon in the “Control Panel” window. The “Display Properties” window is opened.
- (4) Click the “Settings” folder tab in the “Display Properties” window.
- (5) Click the “Advanced Properties” in “Settings”.
- (6) Click the “Monitor” folder tab in the “Advanced Display Properties” window.
- (7) Click the “Change” in the “Monitor”.
- (8) Click the “Have Disk” in the “Select Device” window, then the “Install From Disk” window is opened.
- (9) Insert the “BigMonitor Software Disk for Windows®95” into the CD drive (usually configured as Drive D on PC).
- (10) Select the INF Files from the following directory on the BigMonitor CD.
D:\INF_CP~1\CPT.INF Click “OK”.
- (11) Select your monitor from the list of available “Models” in the “Select Device” window.
- (12) Click “Close” in the “Advanced Display Properties” window, and click “OK” in the “Display Properties” window.

The installation is completed.

Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

STANDARD SETTINGS

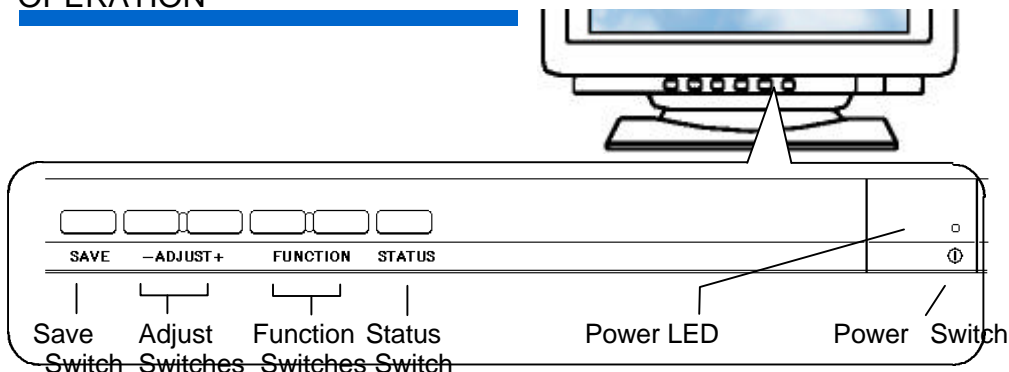
Microprocessor-based preset functions can store 25 sets of geometry settings including the standard settings. The following industrial standard settings have been pre-programmed by the factory.

No.	Video Mode Name (with Resolution and Vertical Frequency)	Horizontal Frequency	Video Mode
1	640 x 480 - 60 Hz	31.47 kHz	VGA
2	720 x 400 - 70 Hz	31.47 kHz	VGA
3	800 x 600 - 85 Hz	53.67 kHz	VESA
4	1024 x 768 - 85 Hz	68.68 kHz	VESA
5	1152 x 870 - 75 Hz	68.68 kHz	MAC
6	1280 x 1024 - 85 Hz	91.15 kHz	VESA
7	1600 x 1200 - 75 Hz	93.75 kHz	VESA

NOTE :

- ◆ Input signals with approximately the same frequencies may be regarded as the same signal.
- ◆ The following horizontal timing conditions are recommended (at sync. H, V separate or H/V composite).
 - for 31 kHz - 45 kHz horizontal frequency:
 - Horizontal front porch should be more than 0.1 μ s.
 - Horizontal sync. width should be within 1.0 - 3.8 μ s.
 - Horizontal back porch should be more than 1.2 μ s.
 - Horizontal blanking width should be more than 3.5 μ s.
 - for 45 kHz - 95 kHz horizontal frequency:
 - Horizontal front porch should be more than 0.1 μ s.
 - Horizontal sync. width should be within 0.9 - 3.0 μ s.
 - Horizontal back porch should be more than 1.1 μ s.
 - Horizontal blanking width should be more than 2.7 μ s.
- ◆ The following vertical timing conditions are recommended.
 - Vertical front porch should be more than 10 μ s.
 - Vertical sync. width should be less than 200 μ s.
 - Vertical back porch should be more than 400 μ s.
 - Vertical blanking width should be more than 500 μ s.
- ◆ In case the front or back porch is extremely long, or the data display time is extremely short, it may not be able to set the expected size and position.
- ◆ Standard settings are subject to change without notice.

OPERATION



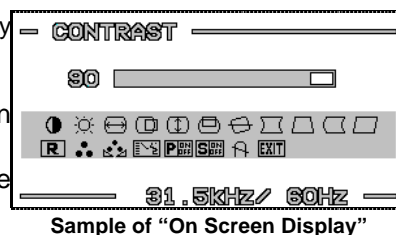
POWER ON/OFF

Press the Power switch, to switch the power ON or OFF.

- ◆ When power is ON, the power LED lights.
- ◆ After turning OFF the switch, wait at least 5 seconds to restart the monitor. Otherwise the monitor may operate incorrectly.
- ◆ If the picture doesn't appear, turn OFF the power switch, make sure of the following and wait at least 30 seconds to restart the monitor. Make sure the power switch of the computer, power cord connection, signal cable connection and the input sync. signal are correct.

CONTROL

- (1) Press the Status switch. The On Screen Display function of "On Screen Display" shows the selected function, its condition, the function menu and the input signal frequencies.
 - ◆ You can select the On Screen Display language. Use the function "LANGUAGE SELECT".
- (2) To select the function, use the Function switches.
- (3) To execute the selected function, use the Adjust Switches in the Table-1 overleaf.
 - ◆ You can save your geometry and color settings. Refer to "SAVE" below.
 - ◆ To clear the On Screen Display, either push the status switch again or wait for 10 seconds.



Sample of "On Screen Display"

SAVE

Press the Save switch, to save your all geometry and color settings. And then "SAVED!" will appear under the function menu.

If the function "AUTO SAVE" is ON, you can save automatically at clearing the On Screen Display.

ADJUSTMENT

Table-1






































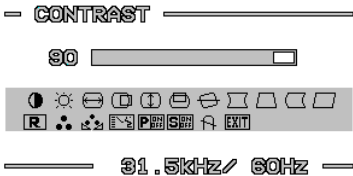


Function		-	+
	CONTRAST	makes Contrast darker excluding background.	makes Contrast brighter excluding background.
	BRIGHTNESS	makes Brightness darker including background.	makes Brightness brighter including background.
	H.SIZE	shrinks horizontally. 	expands horizontally. 
	H.POSITION	moves the position to the left. 	moves the position to the right. 
	V.SIZE	shrinks vertically. 	expands vertically. 
	V.POSITION	moves the position down. 	moves the position up. 
	ROTATION	rotates counter clockwise. 	rotates clockwise. 
	PINCUSHION	curves the left/right sides inwards. 	curves the left/right sides outwards. 
	TRAPEZOID	shrinks the top side, and expands the bottom side. 	expands the top side, and shrinks the bottom side. 
	PIN BALANCE	curves the left/right sides to the left. 	curves the left/right sides to the right. 
	PARALLELOGRAM	tilts to the right. 	tilts to the left. 
	RECALL	recalls the factory preset modes. (Refer to Page 22 "STANDARD SETTINGS".)	
	COLOR SELECT	changes the color to the previous mode. USER→6500K→9300K	changes the color to the next mode. 9300K→6500K→USER
	COLOR BALANCE	R makes the Green and Blue stronger. When the Green or Blue reaches the upper limit, it makes the Red weaker.	makes the Red stronger. When the Red reaches the upper limit, it makes the Green and Blue weaker.
		G makes the Blue and Red stronger. When the Blue or Red reaches the upper limit, it makes the Green weaker.	makes the Green stronger. When the Green reaches the upper limit, it makes the Blue and Red weaker.
		B makes the Red and Green stronger. When the Red or Green reaches the upper limit, it makes the Blue weaker.	makes the Blue stronger. When the Blue reaches the upper limit, it makes the Red and Green weaker.

Table-1 (continued)

Function	-	+
 LANGUAGE SELECT	changes the On Screen Display language to the previous mode. FRANÇAIS (French) ↓ ITALIANO (Italian) ↓ ESPAÑOL (Spanish) ↓ DEUTSCH (German) ↓ ENGLISH	changes the On Screen Display language to the next mode. ENGLISH ↓ DEUTSCH (German) ↓ ESPAÑOL (Spanish) ↓ ITALIANO (Italian) ↓ FRANÇAIS (French)
 POWER MANAGEMENT	disables (OFF) the Power Saving System. Refer to Page 26 "POWER SAVING SYSTEM".	enables (ON) the Power Saving Systems. Refer to Page 26 "POWER SAVING SYSTEM".
 AUTO SAVE	disables (OFF) the Auto Save function. Refer to Page 23 "SAVE".	enables (ON) the Auto Save function. Refer to Page 23 "SAVE".
 DEGAUSS	degauss. Use this function only when you see color impurities on the screen after turning ON the monitor. Wait for about 10 minutes before repeating the function. Remember, the monitor is automatically degaussed during initial power on.	
 EXIT	quits the functions of On Screen Display.	

AUTOMATIC SIGNAL CHECK

When the monitor has detected the change of the signal input condition, the monitor will indicate the condition automatically, as follows.


Indication	Sample of On "Screen Display"	Condition
The On Screen Display indicates the horizontal frequency and vertical frequency. Precision frequency, Horizontal $\pm 2\text{kHz}$ approx. Vertical $\pm 2\text{Hz}$ approx.		When the monitor detects proper signal.
The On Screen Display indicates the message "NO SYNC.SIGNAL".		When the monitor detects no sync. signal.
The On Screen Display indicates the message "INVALID SCAN FREQ.".		When the monitor detects a sync. signal which is out of specification or is unstable.
The Power LED lights orange.	-	When the monitor is in OFF mode. Refer to "POWER SAVING SYSTEM" below.

POWER SAVING SYSTEM

This monitor complies with VESA and ENERGY STAR[®] power saving requirements. The power saving system works only when used with VESA DPMS compliant PCs and/or graphic controllers.

- ◆ When the monitor is in either the Stand-by or Suspend mode and the power is switched OFF, the LED may continue to flash for a few seconds.

VESA DPMS				Power Saving States	
Mode	Video	H. Sync.	V. Sync.	Power	Power LED
Stand-by	Blanked	No	Yes	less than 15 W	Orange
Suspend	Blanked	Yes	No		
OFF	Blanked	No	No	less than 8 W	Orange

Note : The power saving system with VESA DPMS and ENERGY STAR[®], can be disabled via the On Screen Display  See page 25 "POWER MANAGEMENT".

PLUG & PLAY

This monitor complies with VESA DDC1/2B specifications. Plug & Play is a feature that allows a system and its peripheral devices (including monitors), to configure the operating system for optimal functionality.

SPECIFICATIONS

CRT	17 inch picture tube, 0.22 mm horizontal dot pitch (0.21 mm horizontal mask pitch) 90° deflection, FS double focus, AR-ASC coating.		
Input Signal	Video	: 0.7 Vp-p, Analog	
	Sync.	: Separate H/V, TTL level Composite H/V, TTL level	
Synchronization	Horizontal	: 31 - 95 kHz	
	Vertical	: 50 - 130 Hz	
Maximum Resolution	Horizontal	: 1600 dots	
	Vertical	: 1200 lines	
Video Clock frequency	203 MHz		
Viewable Image Size	15.9 inch (404 mm), diagonal (typical)		
Viewable Image Area	Horizontal	: 325 mm (typical)	
	Vertical	: 245 mm (typical)	
Color Temperature	9300K	: Standard color balance, 9300K (Default)	
	6500K	: Standard color balance, 6500K	
	USER	: User defined	
Warm-up Time	30 minutes to reach optimum performance level.		
Power Supply	AC 100 - 120 / 200 - 240 V, auto select Power Consumption : 135 W (max.) Provided with power save circuit.		
Dimensions	412 (W) x 402 (H) x 413.5 (D) mm (including Tilt & Swivel Base)		
Weight	17 kg (approx.) (including Tilt & Swivel Base)		
Heat Dissipation	358 BTU/Hr		
Environmental Condition		<u>Operation</u>	<u>Storage</u>
	Temperature	5°C to 40°C	-20°C to 60°C
	Humidity	10% to 80%	10% to 90%

Specification and Design are subject to change without notice.

WARRANTY

LIMITED WARRANTY

Cornerstone stands behind the quality of its products.

Cornerstone makes the following warranty to purchasers of its products in the United States and Canada: Your hardware product will remain free from defects in material workmanship for five years from the date it was originally purchased.

When Warranty Void

This warranty shall terminate and Cornerstone shall have no obligation pursuant to it if (i) your Cornerstone product has been modified or repaired in a manner not previously authorized by Cornerstone in writing, (ii) the identification markings on your Cornerstone product have been removed, defaced, or altered; (iii) your Cornerstone product was subjected to accident, abuse, shipping damage, or improper use; (iv) your Cornerstone product was not installed on a system configured as specified in this manual; or (v) your Cornerstone product was subjected to operating conditions more severe than those specified in this manual.

Exclusions From This Warranty

It is normal for computer displays to become less bright over time as the phosphors contained in the cathode ray tube (CRT) degrade. In addition, if an image on the display screen is shown for an extended period of time, the image may become burned into the phosphors. The Cornerstone warranty specifically excludes phosphor decay or burns, and damage to the CRT.

Repairs Under This Warranty

In the unlikely event that your Cornerstone hardware product should prove defective during the warranty period, contact Cornerstone Customer Support for a return material authorization (RMA) at 1-888-338-6490, 1-800-562-2552 or 510-580-8900. Products returned for service must be securely packed to prevent damage and shipped charges pre paid, along with proof of purchase and the return material authorization number, to the Cornerstone repair location as instructed by Customer Service. Cornerstone within a reasonable amount of time from its receipt of your product so shipped, will ship to you, at its option, the repaired product or a new or reconditioned product of comparable or greater specified functionality. All repaired or replacement products shall be warranted for the remainder of the original product warranty.

Disclaimer

CORNERSTONE MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO YOUR CORNERSTONE PRODUCT OTHER THAN THE LIMITED WARRANTY SET FORTH ABOVE. No Cornerstone dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty, unless enforceable or unlawful under applicable law. CORNERSTONE DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, NONINFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE, AND THE LIABILITY OF CORNERSTONE, IF ANY, FOR DAMAGES RELATING TO ANY ALLEGEDLY DEFECTIVE PRODUCT SHALL UNDER ANY TORT, CONTRACT, OR OTHER LEGAL THEORY BE LIMITED TO THE ACTUAL PRICE PAID FOR SUCH PRODUCT AND SHALL IN NO EVENT INCLUDE INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES OF ANY KIND EVEN IF CORNERSTONE IS AWARE OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

CUSTOMER SUPPORT

Contacting Customer Support

Cornerstone offers many support options to assist you with any problems you may have when installing, using, or repairing a Cornerstone product.

When using or installing Cornerstone products, if you encounter problems you cannot resolve by reading this guide, you can obtain technical assistance by contacting Cornerstone using any of the methods below.

- World Wide Web Home page: <http://www.BigMonitors.com>
- E-mail address: support@CPTmail.com
- Bulletin Board System (in U.S.A.): 510-580-8989
- Bulletin Board System (in Germany): +49-(0)-89-500-6550
- Fax, U.S.A. Headquarters: 510-580-8998
- Customer Support in U.S.A.: 1-888-338-6490
- Main Line, U.S.A. Headquarters: 1-800-562-2552, 510-580-8900
- Customer Support in Europe: +49-(0)-89-500-6599
- Main Line, European Headquarters: +49-(0)-89-500-650
- Fax, European Headquarters: +49-(0)-89-500-6565

World Wide Web

Cornerstone offers a World Wide Web site. Use your Web browser to connect to <http://www.BigMonitors.com>. The following information is available 24 hours a day:

- Software driver updates
- Technical and troubleshooting information
- Warranty registration
- New product information
- More information about Cornerstone products
- Internet e-mail to Cornerstone
- How to report a problem to our support group

ImageCare

Cornerstone offers an enhanced service program that minimizes any downtime of your Cornerstone product. Our ImageCare service programs include the following offerings:

- **ImageCare Standard (Available during year 2 and 3 of the product warranty)**
 - Overnight advance replacement
 - Round-trip shipping
- **ImageCare Plus (Available during product warranty)**
 - Overnight advance replacement when onsite spare is not available
 - Round-trip shipping
 - Priority Technical Support phone access via 800# with personalized PIN number
 - Onsite spares (one per each 50 of the same model)
 - Automatic driver update notification
- **ImageCare OnSite (Available during product warranty)**
 - Same as ImageCare Plus with On-site technician to unpack and install replacement unit, repack and prepare defective unit for shipping

If you are interested in purchasing ImageCare or would like more information about this enhanced service program, please contact Cornerstone Customer Support at the phone numbers previously listed.